

ABSTRACT

An optical fiber for producing laser radiation at a characteristic wavelength includes a first multimode core region and an active region embedded within the core region for producing radiation at the characteristic wavelength when pumped by pump radiation. The core region is adapted for guiding the laser radiation in a longitudinal direction of the fiber and is adapted for guiding pump radiation. The active region has a sufficiently small transverse dimension such that radiation produced in the active region is not confined to the active region.

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